

資料庫管理



資管二 410135020 許張融

安裝WampServer

The image shows a browser window displaying the WampServer website. The browser's address bar shows the URL www.wampserver.com/en/. The website header features the WampServer logo, the text "WampServer Apache, PHP, MySQL on Windows", and navigation links for "START", "DOWNLOAD", and "FORUM". The main content area includes the heading "WAMPSE" and the subtext "a Windows web devel". Below this, a paragraph describes WampServer as a Windows web development environment. A prominent pink speech bubble with the Chinese characters "點我" (Click me) is overlaid on the page, pointing directly to the yellow "START" button. To the right of the text is a cartoon illustration of a scientist with glasses and a white lab coat, holding two test tubes. A red stamp that reads "CONTRIBUTION ALTER WAY" is positioned above the scientist. At the bottom of the page, there are social media sharing buttons for Facebook (6.6k), Twitter (907), Google+ (1.8k), and YouTube (5.7K). The footer contains the text "START WITH WAMPSEVER" and a brief description: "WampServer installs automatically all you need to start developing web applications and is very intuitive to use. You will".

點我

START USING WAMPSEVER

START WITH WAMPSEVER

WampServer installs automatically all you need to start developing web applications and is very intuitive to use. You will

安裝WampServer



The screenshot shows the WampServer website with the following content:

- Navigation links: [START](#), [DOWNLOAD](#) (highlighted), [FORUM](#)
- Text: "WampServer is an open source project, free to use (GPL licence). You will find the be"
- Section: **WAMPSEVER**
- Download options (all highlighted in yellow):
 - WAMPSEVER (32 BITS & PHP 5.4) 2.4**
Apache : 2.4.4 MySQL : 5.6.12 PHP : 5.4.16 PHPMyAdmin : 4.0.4 SqlBuddy : 1.3.3 XDebug : 2.2.3 [changelog](#)
 - WAMPSEVER (64 BITS & PHP 5.4) 2.4** (circled in red)
Apache : 2.4.4 MySQL : 5.6.12 PHP : 5.4.12 PHPMyAdmin : 4.0.4 SqlBuddy : 1.3.3 XDebug : 2.2.3 [changelog](#)
 - WAMPSEVER (64 BITS & PHP 5.3) 2.2E**
Apache 2.2.22 - Mysql 5.5.24 - PHP 5.3.13 XDebug 2.1.2 XDC 1.5
PhpMyadmin 3.4.10.1 SQLBuddy 1.3.3 webGrind 1.0 [changelog](#)
 - WAMPSEVER (64 BITS & APACHE 2.4) 2.2E**
Apache 2.4.2 - Mysql 5.5.24 - PHP 5.4.3 XDebug 2.1.2 XDC 1.5 PhpMyadmin 3.4.10.1 SQLBuddy 1.3.3 webGrind 1.0 [changelog](#)
 - WAMPSEVER (32 BITS & PHP 5.3) 2.2E**
Apache 2.2.22 - Mysql 5.5.24 - PHP 5.3.13 XDebug 2.1.2 XDC 1.5
PhpMyadmin 3.4.10.1 SQLBuddy 1.3.3 webGrind 1.0

依作業系統
擇一下載

安裝 WampServer

The screenshot shows the WampServer website with a callout bubble highlighting the download link. The callout bubble contains the text "點此下載" (Click here to download). The website content includes the WampServer logo, navigation links (START, DOWNLOAD, FORUM), and a detailed download section for WampServer 2.4 with PHP 5.4. The download section includes a warning about Visual C++ 2010 SP1 and instructions for installation.

WampServer
Apache, PHP, MySQL on Windows

START DOWNLOAD FORUM

WampServer is an open source project, free to use (GPL licence). You will find the beta versions at the Addons section.

DOWNLOAD WAMPSEVER (32 BITS & PHP 5.4) 2.4

點此下載

WampServer est disponible gratuitement. Pour recevoir les actualités formation d'Alter Way, société editrice de WampServer, remplissez ce formulaire qui nous permettra de vous faire parvenir les informations liées aux évolutions de WampServer. Si vous ne le souhaitez pas, vous pouvez [you can download it directly.](#)

WARNING : You must install Visual C++ 2010 SP1 Redistributable Package x86 or x64
VC10 SP1 vcredist_x86.exe 32 bits : <http://www.microsoft.com/download/en/details.aspx?id=8328>
VC10 SP1 vcredist_x64.exe 64 bits : <http://www.microsoft.com/download/en/details.aspx?id=13523>

WARNING : Do not try to install WampServer 2 over WAMP5.
If WAMP5 is installed on your computer, save your data, uninstall it and delete the WAMP5 directory before installing WampServer 2.

WARNING : All the components of the v2.2 WampServer stack have been compiled with VC9 version of Microsoft compiler.
Earlier versions of Wampserver have been made with VC6 version of Microsoft compiler.
So, You can't mix components of 2.2 stack with previous version of Wampserver Stack components.
If you do it you will get an instable Wampserver.

PhpMyadmin 3.4.10.1 SQLBuddy 1.3.3 webGrind 1.0 [changelog](#) 3.4.10.1 SQLBuddy 1.3.3 webGrind 1.0 [changelog](#)

WAMPSEVER (32 BITS & PHP 5.3) 2.2E

Apache 2.2.22 - MySQL 5.5.24 - PHP 5.3.13 XDebug 2.1.2 XDC 1.5

安裝WampServer

選取chrome作為預設瀏覽器

Setup - WampServer 2

Installing

Please choose your default browser. If you are not sure, just click "Run".

組合管理	新增資料夾	修改日期	類型
★ 我的最愛	下載	2014/3/15 上午 0...	檔案資料夾
★ 我的最愛	桌面	2014/3/15 下午 0...	檔案資料夾
★ 我的最愛	最近的位置	2013/1/30 上午 1...	檔案資料夾
★ 我的最愛	桌面	2013/8/28 下午 0...	檔案資料夾
★ 我的最愛	媒體庫	2014/3/14 下午 0...	應用程式
★ 我的最愛	家用群組	2014/3/15 上午 0...	應用程式
★ 我的最愛	許張融		
★ 我的最愛	OS (C:)		
★ 我的最愛	DATA (D:)		
★ 我的最愛	DVD RW 磁碟機		

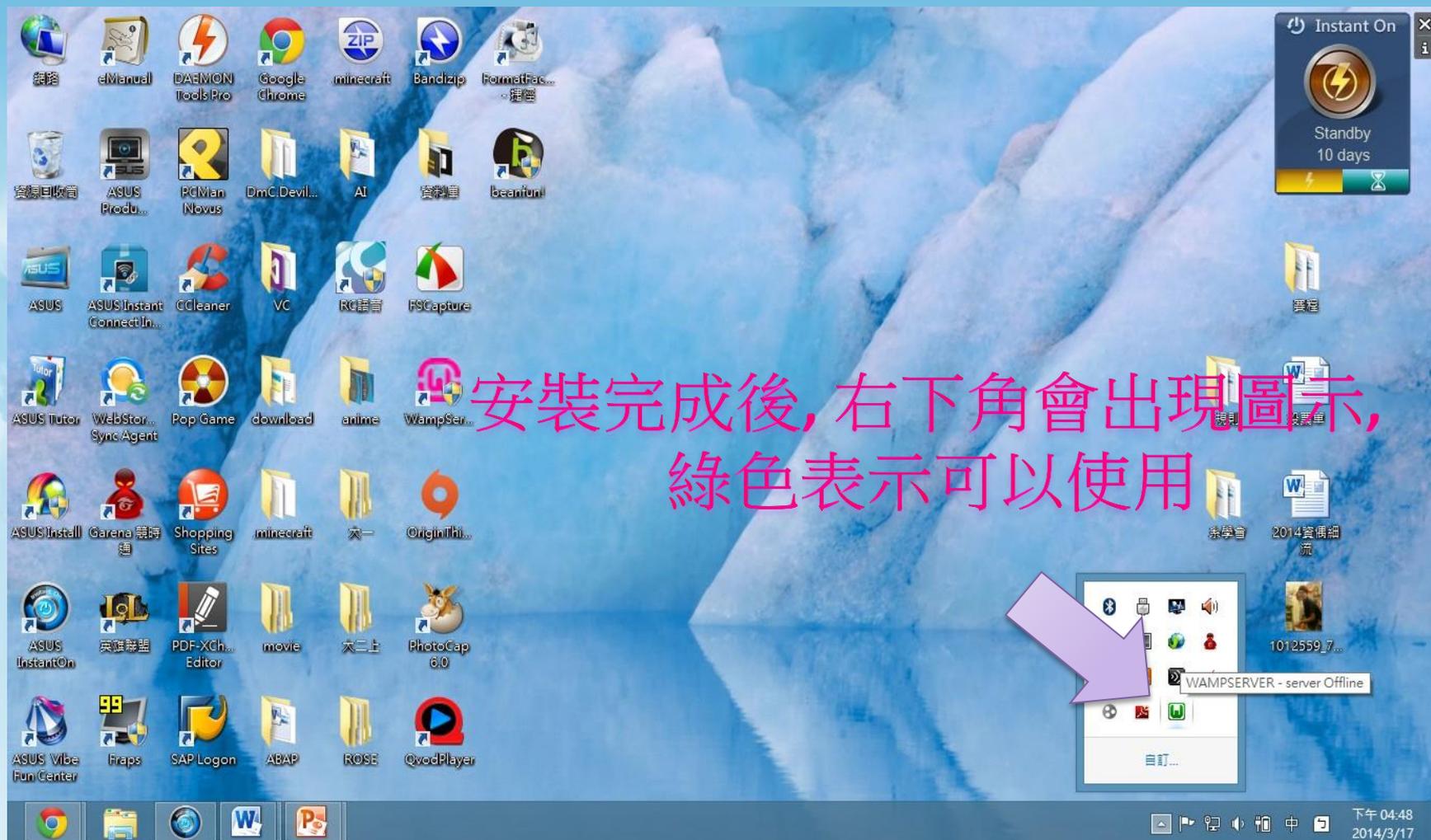
檔案名稱(N): chrome exe files (*.exe)

開啟(O) 取消

Instant On
Standby
10 days

下午 05:06
2014/3/17

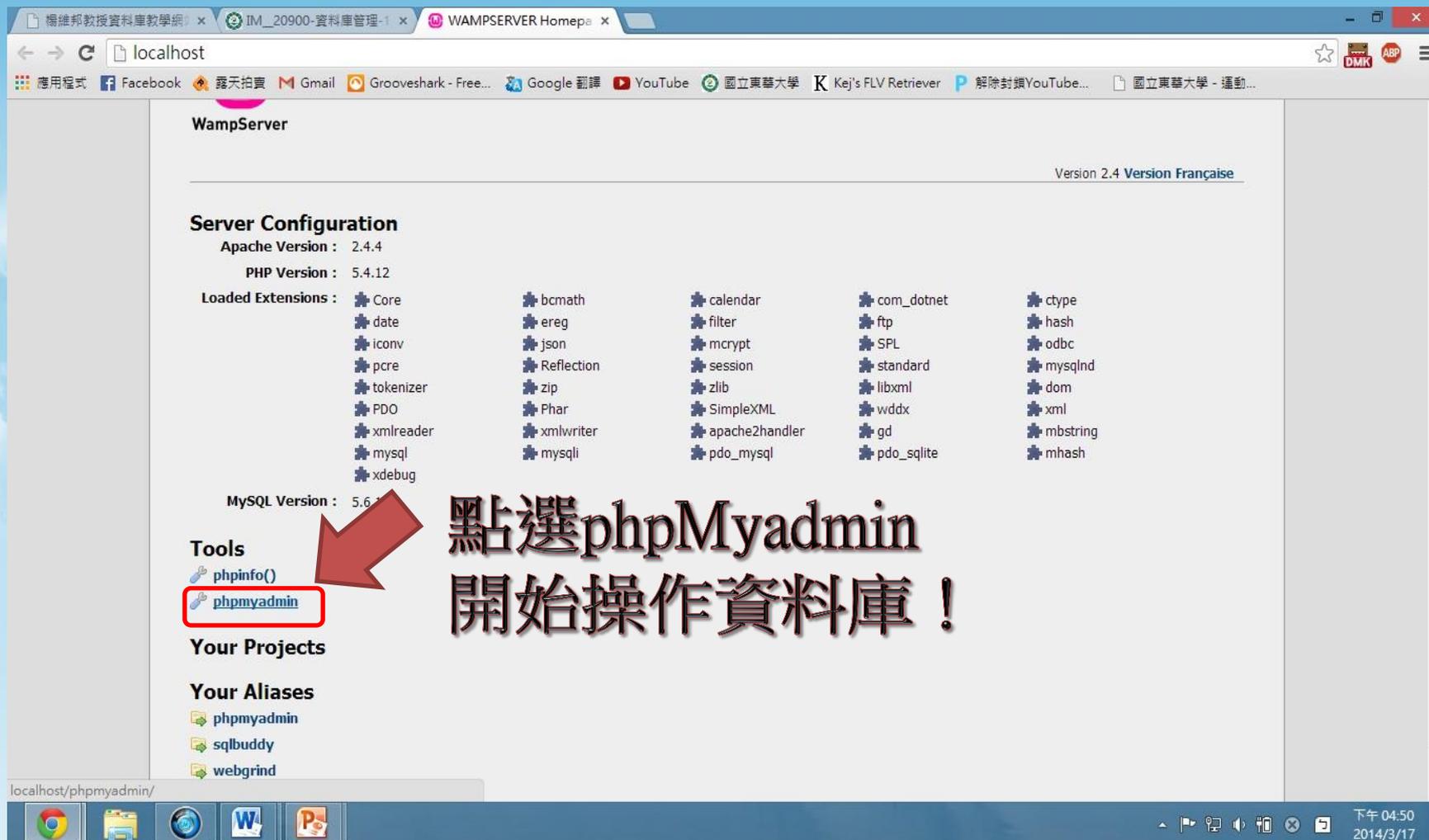
執行WampServer



執行WampServer



執行WampServer



The screenshot shows the WampServer configuration page in a browser. The page title is "WampServer" and the version is "Version 2.4 Version Française". Under the "Server Configuration" section, it lists "Apache Version : 2.4.4", "PHP Version : 5.4.12", and "MySQL Version : 5.6". A "Loaded Extensions" section lists various PHP extensions like Core, date, iconv, pcre, tokenizer, PDO, xmlreader, mysql, xdebug, bcmath, ereg, json, Reflection, zip, Phar, xmlwriter, mysqli, calendar, filter, mcrypt, session, zlib, SimpleXML, apache2handler, pdo_mysql, com_dotnet, ftp, SPL, standard, libxml, wddx, gd, pdo_sqlite, ctype, hash, odbc, mysqlnd, dom, xml, mbstring, and mhash. In the "Tools" section, "phpmyadmin" is highlighted with a red box and a red arrow points to it from the right. Below "Tools" are "Your Projects" and "Your Aliases" sections, with "phpmyadmin" listed as an alias. The browser's address bar shows "localhost" and the taskbar at the bottom shows the system tray with the date and time "下午 04:50 2014/3/17".

WampServer
Version 2.4 Version Française

Server Configuration
Apache Version : 2.4.4
PHP Version : 5.4.12
MySQL Version : 5.6

Loaded Extensions :

- Core
- date
- iconv
- pcre
- tokenizer
- PDO
- xmlreader
- mysql
- xdebug
- bcmath
- ereg
- json
- Reflection
- zip
- Phar
- xmlwriter
- mysqli
- calendar
- filter
- mcrypt
- session
- zlib
- SimpleXML
- apache2handler
- pdo_mysql
- com_dotnet
- ftp
- SPL
- standard
- libxml
- wddx
- gd
- pdo_sqlite
- ctype
- hash
- odbc
- mysqlnd
- dom
- xml
- mbstring
- mhash

Tools

- phpinfo()
- phpmyadmin**

Your Projects

Your Aliases

- phpmyadmin
- sqlbuddy
- webgrind

localhost/phpmyadmin/

下午 04:50
2014/3/17

點選phpMyadmin
開始操作資料庫！

執行WampServer

localhost/phpmyadmin/index.php?token=5755f97474fbad09739a084e85691025&old_usr=root

歡迎使用 phpMyAdmin

語言 - Language
中文 - Chinese traditional

登錄

使用者名稱：
root

密碼：
|

執行

名稱輸入“root”
密碼空白即可

執行WampServer

The screenshot shows the phpMyAdmin web interface in a browser window. The address bar displays the URL: localhost/phpmyadmin/#PMAURL-0:index.php?db=&table=&server=1&target=&token=25967d535d08dd05bd44bb13ec7ba918. The interface is divided into several sections:

- General Settings (一般設定):** Includes a 'Change Password' (修改密碼) button and a 'Server Connection Collation' (伺服器連線校對) dropdown menu set to 'utf8_general_ci'.
- Appearance Settings (外觀設定):** Includes a 'Language' (語系) dropdown menu set to '中文 - Chinese traditional', a 'Theme' (主題) dropdown menu set to 'pmahomme', and a 'Font Size' (字體大小) dropdown menu set to '82%'. There is also a 'More Settings' (更多設定) link.
- Database Server (資料庫伺服器):** Lists server details: localhost via TCP/IP, MySQL type, version 5.6.12-log - MySQL Community Server (GPL), agreement version 10, user XXX@localhost, and UTF-8 Unicode (utf8) character set.
- Website Server (網站伺服器):** Lists website details: Apache/2.4.4 (Win64) PHP/5.4.12, libmysql - mysqlnd 5.0.10 - 20111026 - Sld: e707c415db32080b3752b232487a435ee0372157 \$, and PHP extension mysqli.
- Navigation (底部):** A list of links including 'Home', 'Files', 'Wiki', 'Official Site', 'Contributions', 'Get Support', and 'Update List'.

At the bottom of the browser window, the status bar shows the URL: localhost/phpmyadmin/server_sql.php?db=&token=25967d535d08dd05bd44bb13ec7ba918. The Windows taskbar at the very bottom shows the system tray with the date and time: 下午 04:53, 2014/3/17.

進入主畫面 (●▽●)

新增 Database

點選資料庫

myadmin/index.php?token=5eb02cbc6368bd2a7bcb12051133114a#PMAURL-1:server_databases.php?db=&table=&server=1&target=

localhost

資料庫 SQL 狀態 使用者 匯出 輸入 設定 二進制日誌 複製 變數 字集 引擎

資料庫

建立新資料庫

IM16 排序規則 建立

資料庫	主複製
<input type="checkbox"/> information_schema	✓ 已複製 檢查權限
<input type="checkbox"/> mysql	✓ 已複製 檢查權限
<input type="checkbox"/> performance_schema	✓ 已複製 檢查權限
<input type="checkbox"/> test	✓ 已複製 檢查權限
總計: 4	

全選 選項: 刪除

• 啓用統計

注意: 在此啓用資料庫統計可能導致網站伺服器 and MySQL 伺服器之間的流量驟增。

填寫資料庫名稱並建立

刪除Database

點選操作

點選“刪除資料庫”

選取資料庫

The screenshot shows the phpMyAdmin interface with the following elements:

- Navigation Panel (Left):** Shows a tree view of databases. The 'im16' database is selected and expanded, showing its internal structure (information_schema, sql, performance_schema).
- Top Menu:** Includes options like '結構' (Structure), 'SQL', '搜尋' (Search), '查詢' (Query), '匯出' (Export), '輸入' (Import), '操作' (Operations), '權限' (Privileges), '一般' (General), '事件' (Events), and '觸發器' (Triggers).
- Main Content Area:** Contains several panels for database operations:
 - 建立資料庫 (Create Database):** Includes a '名字' (Name) field and a '欄位數' (Number of columns) field, with an '執行' (Execute) button.
 - 將資料庫改名為 (Rename Database):** Includes a text input field and an '執行' (Execute) button.
 - 刪除資料庫 (Delete Database):** Features a red '刪除資料庫 (DROP)' button, which is the target of the '點選“刪除資料庫”' annotation.
 - 複製資料庫到 (Copy Database To):** Includes a text input field and radio buttons for options like '僅結構' (Structure only), '結構和資料' (Structure and data), '僅資料' (Data only), '複製前建立資料庫 (CREATE DATABASE)' (checked), '新增 DROP TABLE / DROP VIEW', '新增自動遞增(AUTO_INCREMENT)數值' (checked), '新增 constraints', and '切換到複製的資料庫'.
 - 排序規則 (Collation):** Includes a dropdown menu set to 'latin1_swedish_ci' and an '執行' (Execute) button.

***使中文資料可顯示的設定

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The 'Structure' tab is active, and the 'Collation' section is expanded. A red box highlights the 'Collation' dropdown menu, which is currently set to 'utf8_general_ci'. A blue arrow points from the text '將編碼改為 "utf8_general_ci"' to this dropdown menu.

將編碼改為 “utf8_general_ci”

Database: im16

Collation: utf8_general_ci

Execution button: 執行

Options:

- 結構和資料
- 僅資料
- 複製前建立資料庫 (CREATE DATABASE)
- 新增 DROP TABLE / DROP VIEW
- 新增自動遞增 (AUTO_INCREMENT) 數值
- 新增 constraints
- 切換到複製的資料庫

新增表格

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The 'Structure' tab is active, and the 'Create new table' form is displayed. The table name is '學生資料' and the number of columns is '5'. A blue arrow points to the 'Structure' button in the top navigation bar with the text '點選結構'. Another blue arrow points to the table name and column count input fields with the text '輸入名稱及欄位數'.

點選結構

輸入名稱及欄位數

新增表格

欄位名稱

資料型態

資料長度

可設定主鍵等

The screenshot shows the phpMyAdmin interface for creating a new table. The table name is '學生資料' (Student Information). The fields being added are:

名字	類型	長度/值	預設	排序規則	屬性	索引
姓名	INT	10	無			
學號	CHAR	9	無			
手機號碼	CHAR	10	無			

The '索引' (Index) dropdown is highlighted with a red box. A callout window shows the '索引' dropdown with 'PRIMARY' selected as an option. The '儲存引擎' (Storage Engine) is set to 'InnoDB'.

姓名
學號
手機號碼

新增表格

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The 'Structure' tab is active, showing the table '姓名' with columns: '1 姓名' (int(10)), '2 學號' (char(9)), and '3 手機號碼' (char(10)). The 'Add new column' section is expanded, showing options to add 1 column. The '姓' column is selected, and the 'Execute' button is visible.

#	名字	類型	排序規則	屬性	空	預設	額外	動作
1	姓名	int(10)		否	無			修改 刪除 主鍵 唯一 索引 Spatial 全文搜尋 Distinct values
2	學號	char(9)	utf8_general_ci	否	無			修改 刪除 主鍵 唯一 索引 Spatial 全文搜尋 Distinct values
3	手機號碼	char(10)	utf8_general_ci	否	無			修改 刪除 主鍵 唯一 索引 Spatial 全文搜尋 Distinct values

增加 1 個字段 於表結尾 於表開頭 於之後 姓 執行

已用空間	資料	索引	總計
16 KB	0 B	0 B	16 KB

Row statistics

格式	排序規則	建立時間
compact	utf8_general_ci	2014年6月17日 11:29

完成 (●'▽'●)✓

新增資料

點選
插入

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The table '學生資料' (Student Information) is selected. The interface includes a navigation menu on the left, a toolbar with options like '瀏覽', '結構', 'SQL', '搜尋', '插入', '匯出', '輸入', and '操作', and a main area with a table of records. A blue arrow points to the '插入' (Insert) button. Three blue callout boxes point to specific rows in the table, listing their names and IDs.

欄位	類型	函數	空值
姓名	char(10)		系宅莊○憲
學號	char(9)		410135007
手機號碼	char(10)		0937xxxxxx
<input type="checkbox"/> 忽略			
欄位	類型	函數	空值
姓名	char(10)		系猿陳○霖
學號	char(9)		410135010
手機號碼	char(10)		0988xxxxxx
<input type="checkbox"/> 忽略			
欄位	類型	函數	空值
姓名	char(10)		系鼠李○鴻
學號	char(9)		410135028
手機號碼	char(10)		0978xxxxxx

姓名：系宅莊○憲
學號：410135007
手機號碼：0937xxxxxx

姓名：系猿陳○霖
...

姓名：系鼠李○鴻
...

新增資料



localhost/phpmyadmin/index.php?token=5eb02cbc6368bd2a7bcb12051133114a#PMAURL-36:sql.php?db=im16&table=%E5%AD%B8%E7%94%9F%...

瀏覽 結構 SQL 搜尋 插入 匯出 輸入 操作 觸發器

⚠ This table does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ 顯示行 0 - 3 (4 總計, 查詢花費 0.0003 秒) [姓名: 0 - 系鼠李○鴻]

```
SELECT *  
FROM `學生資料`  
LIMIT 0, 30
```

概要 [行間] [編輯] [SQL說明] [建立 PHP 程式碼] [重新整理]

顯示: 開始的資料列: 0 顯示數量: 30 每 100 列顯示欄位標題

+ 選項

姓名	學號	手機號碼
0	XX	XX
系猿陳 霖	410135010	0988:
系袁莊 憲	410135007	0937:
系鼠李 鴻	410135028	0978:

顯示: 開始的資料列: 0 顯示數量: 30 每 100 列顯示欄位標題

查詢結果選項

列印預覽 列印預覽 (全文顯示) 匯出 顯示圖表 新建視圖

完成ゞ(●´▽`●)ノ

搜尋資料

點選
搜尋

The screenshot shows the phpMyAdmin search interface. A blue arrow points to the '搜尋' (Search) button in the top navigation bar. Another blue arrow points to the search input fields, with the text '輸入欲查找的值' (Enter the value to be searched) next to it.

執行“依例查詢”(萬用字元：“%”)

欄位	類型	排序規則	運算符	值
姓名	char(10) utf8_general_ci	utf8_general_ci	LIKE	<input type="text"/>
學號	char(9) utf8_general_ci	utf8_general_ci	LIKE	410135007
手機號碼	char(10) utf8_general_ci	utf8_general_ci	LIKE	<input type="text"/>

+ 選項

執行

搜尋資料

The screenshot shows the phpMyAdmin interface with a search query executed. The search criteria are: `SELECT * FROM 學生資料 WHERE 學號 LIKE '410135007' LIMIT 0, 30`. The result shows one record for the student 系宅莊○憲 with student ID 410135007 and phone number 0937. A red box highlights the search options and the result table.

顯示搜尋條件

⚠ This table does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ 顯示行 0 - 0 (1 總計, 查詢花費 0.0226 秒) [姓名:系宅莊○憲·系宅莊○憲]

```
SELECT *
FROM 學生資料
WHERE 學號 LIKE '410135007'
LIMIT 0, 30
```

概要 [行間] [編輯] [SQL說明] [建立 PHP 程式碼] [重新整理]

顯示：開始的資料列： 0 顯示數量： 30 每 100 列顯示欄位標題

+ 選項

姓名	學號	手機號碼
系宅莊○憲	410135007	0937

顯示：開始的資料列： 0 顯示數量： 30 每 100 列顯示欄位標題

查詢結果選項

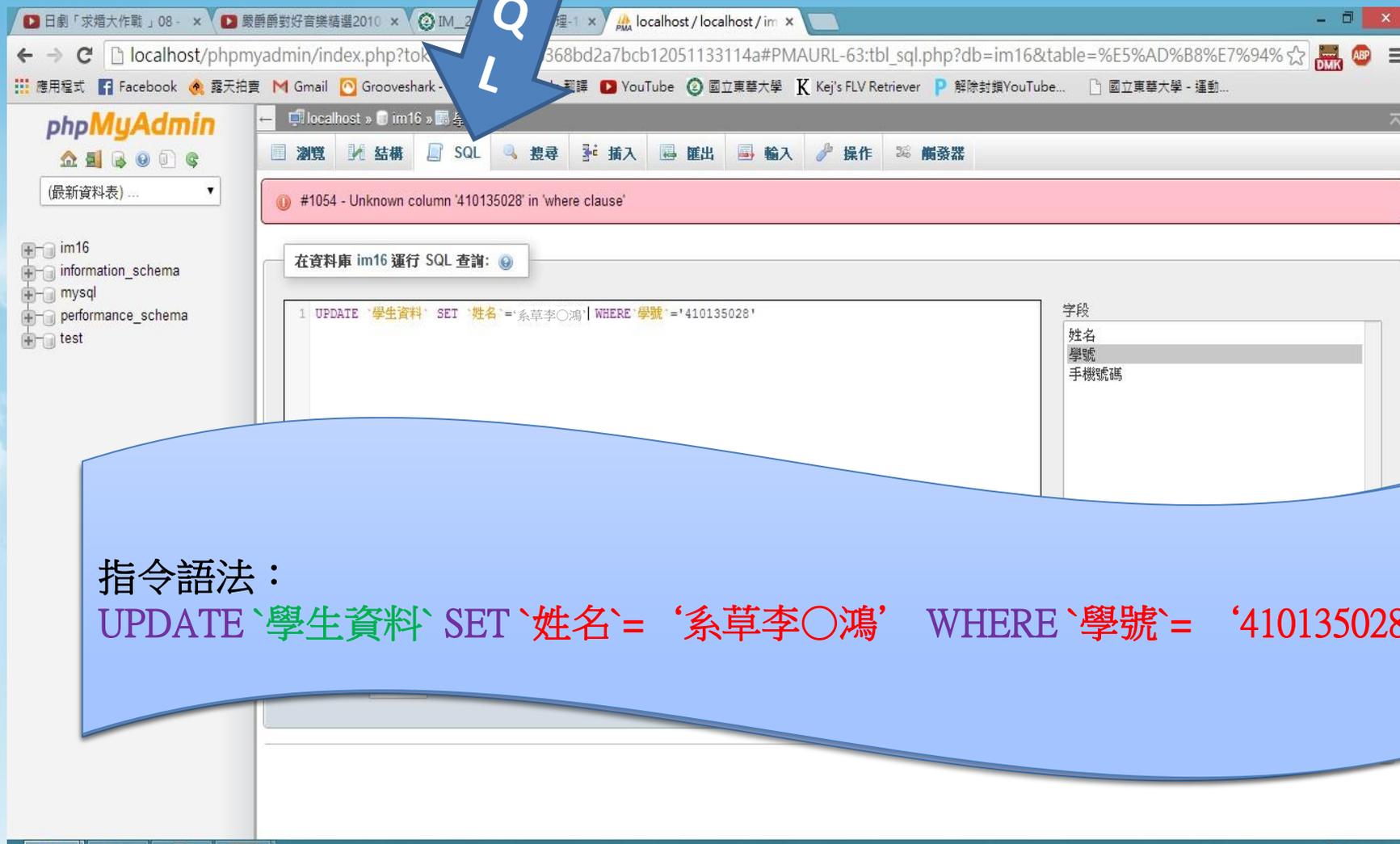
列印報表 列印報表 (全文顯示) 匯出 顯示圖表 新建視圖

完成ヾ(●´▽`●)ノ

修改資料

點選

SQL



The screenshot shows the phpMyAdmin interface in a browser window. The URL is localhost/phpmyadmin/index.php?tok... The interface includes a navigation menu on the left with options like '瀏覽', '結構', 'SQL', '搜尋', '插入', '匯出', '輸入', '操作', and '觸發器'. A red error message at the top reads '#1054 - Unknown column '410135028' in 'where clause''. Below the error, a text box contains the SQL query: '1 UPDATE `學生資料` SET `姓名`='系草李○鴻'| WHERE `學號`='410135028''. To the right of the query, a table lists the fields: '姓名', '學號', and '手機號碼'.

指令語法：

UPDATE `學生資料` SET `姓名` = '系草李○鴻' WHERE `學號` = '410135028'

修改資料

系鼠李○鴻→系草李○鴻

✓ 影響了 1 行。(查詢花費 0.0966 秒)

```
UPDATE `學生資料` SET `姓名` = '系草李昆鴻' WHERE `學號` = '410135028'
```

[編輯] [建立 PHP 程式碼]

顯示查詢框

完成ヾ(●´▽`●)ノ

刪除資料

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The table '學生資料' (Student Information) is selected. The table structure is as follows:

姓名	學號	手機號碼
系袁莊 憲	410135007	0937
系草李 鴻	410135028	0978
系猿陳 霖	410135010	0988
0	XX	XX

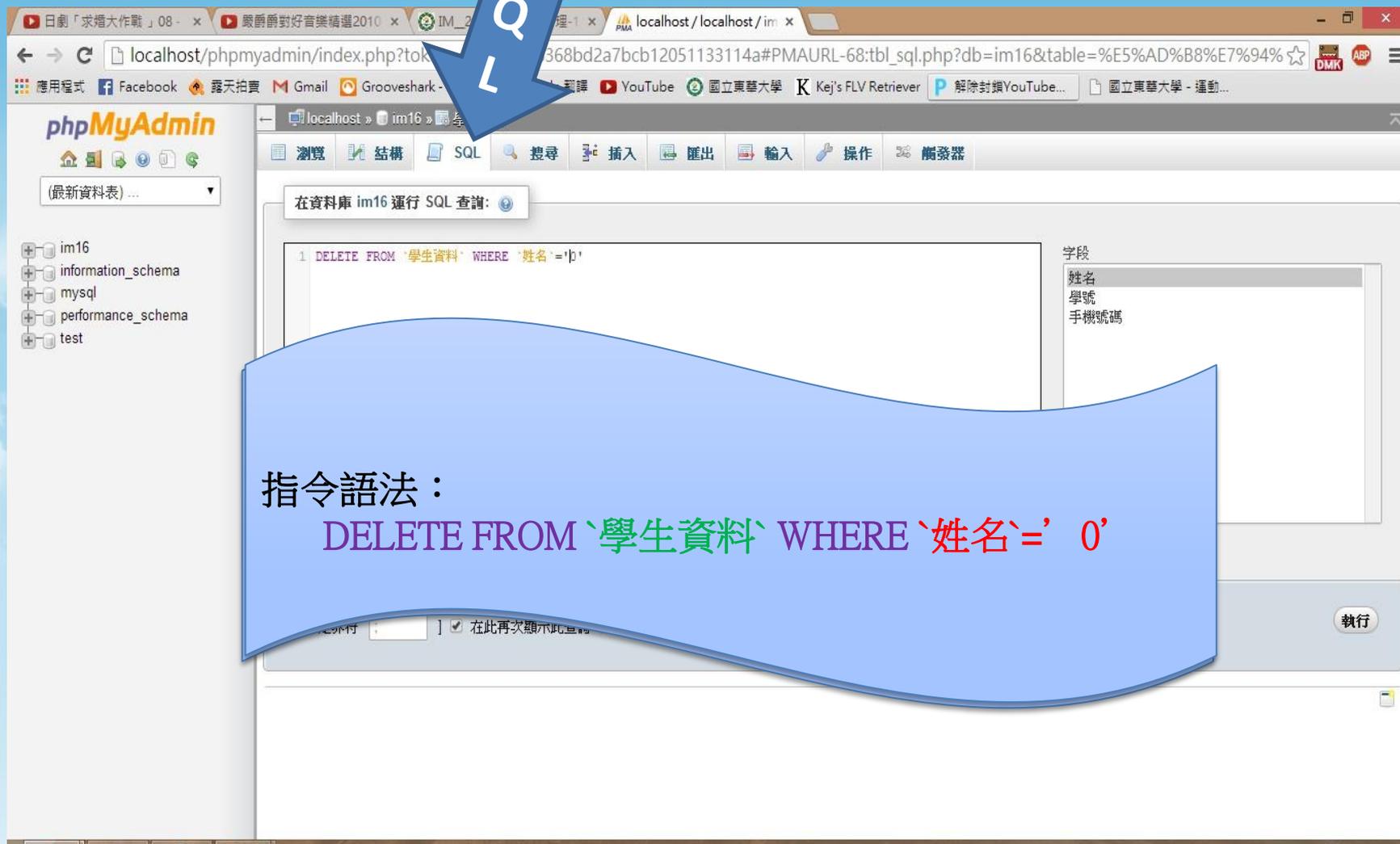
The first three rows of the table are highlighted with a red box. The interface also shows a SQL query window with the following query:

```
SELECT *  
FROM `學生資料`  
LIMIT 0, 30
```

At the bottom of the interface, there are options for '查詢結果選項' (Query Result Options) including '列印預覽' (Print Preview), '列印預覽 (全文顯示)' (Print Preview (Full Text Display)), '匯出' (Export), '顯示圖表' (Show Charts), and '新建視圖' (New View).

刪除資料

點選
SQL



The screenshot shows the phpMyAdmin interface in a browser window. The address bar shows the URL: localhost/phpmyadmin/index.php?tok... The interface includes a navigation menu on the left with options like '瀏覽', '結構', 'SQL', '搜尋', '插入', '匯出', '輸入', '操作', and '觸發器'. The main area displays a SQL query: `1 DELETE FROM `學生資料` WHERE `姓名`='p'`. A blue callout box is overlaid on the screenshot, containing the text: **指令語法：**
`DELETE FROM `學生資料` WHERE `姓名`=' 0'`

指令語法：

`DELETE FROM `學生資料` WHERE `姓名`=' 0'`

刪除資料

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The table '學生資料' is selected. The main table view shows the following data:

姓名	學號	手機號碼
系袁莊	410135007	0937
系草李	410135028	0978
系猿陳	410135010	0988

A red box highlights a smaller table view with the same columns and data:

姓名	學號	手機號碼
系袁莊	410135007	0937
系草李	410135028	0978
系猿陳	410135010	0988

The interface also shows a SQL query editor with the following query:

```
SELECT *  
FROM `學生資料`  
LIMIT 0, 30
```

At the bottom of the interface, there are options for displaying the query results, including a button labeled '查詢結果選項'.

完成ヾ(●´▽`●)ノ

表格相乘—新增表格

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The 'Structure' tab is selected, showing the table '健康檢查報告' (Health Check Report) with 4 columns. The table structure is as follows:

行數	類型	排序規則	大小	多餘
~3	InnoDB	utf8_general_ci	16 KB	-
~0	InnoDB	utf8_general_ci	16 KB	0 B

The 'Structure' tab is highlighted with a blue arrow and the text '點選結構'. The 'Name' field contains '健康檢查報告' and the 'Column Count' field contains '4'. A blue arrow points to these fields with the text '輸入名稱及欄位數'. The 'Execute' button is visible at the bottom right of the form.

表格相乘—新增表格

The screenshot shows the phpMyAdmin interface for creating a table. The table has four columns: 學號 (Student ID), 性別 (Gender), 身高 (Height), and 體重 (Weight). Annotations with blue arrows point to the column name, data type, and length fields for each column.

名字	類型	長度	預設	排序規則	屬性	空	索引	A	註
學號	CHAR	9	無			<input type="checkbox"/>	---		<input type="checkbox"/>
性別	CHAR	2	無			<input type="checkbox"/>	---		<input type="checkbox"/>
身高	CHAR	3	無			<input type="checkbox"/>	---		<input type="checkbox"/>
體重	CHAR	3	無			<input type="checkbox"/>	---		<input type="checkbox"/>

Annotations:

- 欄位名稱 (Column Name)
- 資料型態 (Data Type)
- 資料長度 (Data Length)

Additional fields at the bottom:

- 儲存引擎: InnoDB
- 排序規則:
- 儲存 (Save)

學號
性別
身高
體重

表格相乘—新增表格

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The table structure is as follows:

#	名字	類型	排序規則	屬性	空	預設	額外	動作
1	學號	char(9)	utf8_general_ci	否	無			修改 刪除 主鍵 唯一 索引 Spatial 全文搜尋 Distinct values
2	性別	char(2)	utf8_general_ci	否	無			修改 刪除 主鍵 唯一 索引 Spatial 全文搜尋 Distinct values
3	身高	char(3)	utf8_general_ci	否	無			修改 刪除 主鍵 唯一 索引 Spatial 全文搜尋 Distinct values
4	體重	char(3)	utf8_general_ci	否	無			修改 刪除 主鍵 唯一 索引 Spatial 全文搜尋 Distinct values

Below the table structure, there is a section for '資訊' (Information) with the following data:

已用空間	Row statistics
資料 16 KB	格式 Compact
索引 0 B	排序規則 utf8_general_ci
總計 16 KB	建立時間 2014 年 03 月 18 日 00:13

Large text overlay: 完成 \(\bullet \wedge \nabla \wedge \bullet\) /

表格相乘—新增資料

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The 'Insert' tab is selected, and a blue arrow points to the 'Insert' button with the text '點選插入' (Click Insert). The form contains the following fields:

欄位	類型	函數	空值
學號	char(9)		410135028
性別	char(2)		男
身高	char(3)		175
體重	char(3)		67

Below the first form, there is a section for '忽略' (Ignore) with the following fields:

欄位	類型	函數	空值
學號	char(9)		410135007
性別	char(2)		男
身高	char(3)		177
體重	char(3)		58

At the bottom of the form, there is another '忽略' section with the following fields:

欄位	類型	函數	空值
學號	char(9)		410135010
性別	char(2)		男
身高	char(3)		175

表格相乘—新增資料

localhost/phpmyadmin/index.php?db=im16&target=db_structure.php&token=5eb02cbc6368bd2a7bcb12051133114a#PMAURL-55:tbl_replace.p

phpMyAdmin

(最新資料表)...

- im16
- information_schema
- mysql
- performance_schema
- test

插入了 3 行。

```
INSERT INTO `im16`.`健康檢查報告` (  
  學號  
  性別  
  身高  
  體重  
)  
VALUES (  
  '410135028', '男', '175', '67',  
  '410135007', '男', '177', '58',  
  '410135010', '男', '175', '60');
```

完成 (●'▽'●) [編輯] [建立 PHP 程式碼]

在資料庫 im16 運行 SQL 查詢:

```
1 INSERT INTO `im16`.`健康檢查報告` (`學號`, `性別`, `身高`, `體重`) VALUES ('410135028', '男', '175', '67'), ('410135007', '男', '177', '58'), ('410135010', '男', '175', '60');
```

字段
學號
性別
身高
體重

SELECT * SELECT INSERT UPDATE DELETE 清除

顯示所有下載...

表格相乘

localhost/phpmyadmin/index.php?db=im16&target=db_structure.php&token=5eb02cbc6368bd2a7bcb12051133114a#PMAURL-59:db_structure.

phpMyAdmin

(最新資料表)...

- im16
- information_schema
- mysql
- performance_schema
- test

表	動作	行數	類型	排序規則	大小	多餘
健康檢查報告	瀏覽 結構 搜尋 插入 清空 刪除	~3	InnoDB	utf8_general_ci	16 KB	-
學生資料	瀏覽 結構 搜尋 插入 清空 刪除	~3	InnoDB	utf8_general_ci	16 KB	-
2 張資料表	總計	6	InnoDB	utf8_general_ci	32 KB	0 B

全選 選中項:

列印預覽 資料字典

建立資料表

名字: 欄位數:

執行

記憶體清理備.rar

顯示所有下載...

表格相乘

點選

SQL

在資料庫 im16 運行 SQL 查詢:

```
1 SELECT * FROM `學生資料`, `健康檢查報告`
```

指令語法
SELECT * FROM `學生資料`, `健康檢查報告`

執行

表格相乘

The screenshot shows the phpMyAdmin interface for a database named 'im16'. A query is executed, displaying a table with 9 rows and 7 columns. The table is circled in red. The query is a join between '學生資料' and '健康檢查報告' tables.

```
SELECT *  
FROM `學生資料`, `健康檢查報告`  
LIMIT 0, 30
```

顯示：開始的資料列: 0 顯示數量: 30 每 100 列顯示欄位標題

姓名	學號	手機號碼	學號	性別	身高	體重
系襄莊	德 410135007	0937	410135028	男	175	67
系襄陳	霖 410135010	0988	410135028	男	175	67
系襄李	謙 410135028	0978	410135028	男	175	67
系襄莊	德 410135007	0937	410135007	男	177	58
系襄陳	霖 410135010	0988	410135007	男	177	58
系襄李	謙 410135028	0978	410135007	男	177	58
系襄莊	德 410135007	0937	410135010	男	175	60
系襄陳	霖 410135010	0988	410135010	男	175	60
系襄李	謙 410135028	0978	410135010	男	175	60

相乘後查找

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The left sidebar lists databases: im16, information_schema, mysql, performance_schema, and test. The main area displays a SQL query execution window with the following query:

```
1 SELECT * FROM `學生資料`, `健康檢查報告`  
2 WHERE 學生資料.學號 = 健康檢查報告.學號 && 身高 = '175';  
3
```

A large blue banner is overlaid on the bottom half of the screenshot, containing the same SQL query in a stylized font:

**SELECT * FROM `學生資料`, `健康檢查報告`
WHERE 學生資料.學號 = 健康檢查報告.學號 && 身高 = "175" ;**

相乘後查找

The screenshot shows the phpMyAdmin interface for a database named 'im16'. The main table displays student information with columns: 姓名, 學號, 手機號碼, 學號, 性別, 身高, 體重. The data rows are:

姓名	學號	手機號碼	學號	性別	身高	體重
系草李鴻	410135028	0978	410135028	男	175	67
系猿陳霖	410135010	0988	410135010	男	175	60

Below the main table, a red box highlights a smaller version of the same table, which is a compact view of the data. The data in this smaller table is:

姓名	學號	手機號碼	學號	性別	身高	體重
系草李鴻	410135028	0978	410135028	男	175	67
系猿陳霖	410135010	0988	410135010	男	175	60

心得感想

- 經過這次練習覺得WAMP SERVER還滿好上手的, 介面簡單易懂, 有些功能甚至不需使用SQL語言便能使用
- 使用中看到只需0.00XX秒便能將資料加以新增, 刪除, 修改, 查詢, 更能感受到資料庫對於資料整合的貢獻

THE END